

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) MoC comprising a surface-area-to-mass ratio of between about 11.5 to about 14 m²/g and produced by heating a precursor material in a first heating zone to a first temperature in the presence of a reducing gas and a carbonizing gas and moving the precursor material to a second heating zone that is heated to a second temperature that is at least 100°C hotter than the first heating zone.
2. (Currently amended) Mo₂C comprising a surface-area-to-mass ratio of between about 5 to about 11 m²/g and produced by heating a precursor material in a first heating zone to a first temperature in the presence of a reducing gas and a carbonizing gas and moving the precursor material to a second heating zone that is heated to a second temperature that is at least 100°C hotter than the first heating zone.
3. (New) MoC comprising a surface-area-to-mass ratio of between about 11.5 to about 14 m²/g.
4. (New) MoC of claim 3 wherein said surface-area-to-mass ratio is proportionate to a surface-area-to-mass ratio of a precursor material as measured in m²/g.
5. (New) Mo₂C comprising a surface-area-to-mass ratio of between about 5 to about 11 m²/g.

6. (New) Mo_2C of claim 5 wherein said surface-area-to-mass ratio is proportionate to a surface-area-to-mass ratio of a precursor material as measured in m^2/g .